



Based on Form PTO 0-249  
(3/90)

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| ATTY. DOCKET NO.<br>450111-03701 | SERIAL NO.<br>09/989,938 |
| APPLICANT<br>Xiaobing SUN et al. |                          |
| FILING DATE<br>November 21, 2001 | GROUP<br>2631            |

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U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|----|-----------------|------|------|-------|----------|-------------------------------|
|                     | AA |                 |      |      |       |          |                               |
|                     | AB |                 |      |      |       |          |                               |
|                     | AC |                 |      |      |       |          |                               |
|                     | AD |                 |      |      |       |          |                               |
|                     | AE |                 |      |      |       |          |                               |
|                     | AF |                 |      |      |       |          |                               |
|                     | AG |                 |      |      |       |          |                               |
|                     | AH |                 |      |      |       |          |                               |
|                     | AI |                 |      |      |       |          |                               |
|                     | AJ |                 |      |      |       |          |                               |
|                     | AK |                 |      |      |       |          |                               |

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FOREIGN PATENT DOCUMENTS

|           |    | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|-----------|----|-----------------|----------|---------|-------|----------|-----------------------|
| <i>EW</i> | AL | EP 0 989 686    | 03/29/00 | Europe  |       |          |                       |
|           | AM |                 |          |         |       |          |                       |
|           | AN |                 |          |         |       |          |                       |
|           | AO |                 |          |         |       |          |                       |
|           | AP |                 |          |         |       |          |                       |

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|           |    |   |  |  |  |  |  |
|-----------|----|---|--|--|--|--|--|
| <i>EW</i> | AQ | PATENT ABSTRACTS OF JAPAN 2000 22666 (LG INFORMATION & COMMUN LTD) 21 January 2000 (21.01.00) |  |  |  |  |  |
|           |    |   |  |  |  |  |  |
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14971 U.S. PAT.  
09/989938  
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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|----|-----------------|----------|------------------|-------|----------|-------------------------------|
| <i>AW</i>           | AA | 5,103,459       | 04/07/92 | Gilhausen et al. |       |          |                               |
| <i>AW</i>           | AB | 6,026,115       | 02/15/00 | Higashi et al.   |       |          |                               |
|                     | AC |                 |          |                  |       |          |                               |
|                     | AD |                 |          |                  |       |          |                               |
|                     | AE |                 |          |                  |       |          |                               |
|                     | AF |                 |          |                  |       |          |                               |
|                     | AG |                 |          |                  |       |          |                               |
|                     | AH |                 |          |                  |       |          |                               |
|                     | AI |                 |          |                  |       |          |                               |
|                     | AJ |                 |          |                  |       |          |                               |
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|  | AL |                 |      |         |       |          |                       |
|  | AM |                 |      |         |       |          |                       |
|  | AN |                 |      |         |       |          |                       |
|  | AO |                 |      |         |       |          |                       |
|  | AP |                 |      |         |       |          |                       |

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|-----------|----|--|---|
| <i>AW</i> | AR |  | Jiunn-Tsair Chen, C.B. Papadakis and G. J. Forschini "Dynamic Signature Assignment for Direct-Sequence CDMA Systems", IEEE Communications Letters, Vol. 4, No. 6, June 2000, pp. 181-183. |
| <i>AW</i> |    |  | A. Duel-Hallen, et al. "Long-Range Prediction of Fading Signals", IEEE Signal Processing Magazine, Vol. 17, No. 3, May 2000, pp. 62-75.   |
|           |    |  |   |

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*Charles A.*

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